

INTERNATIONAL SEARCH REPORT

International Application No
PCT/FR2004/000955

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|----------|--|-----------------------|
| X | MARTIN DEVERA: "Hierarchical Token Bucket theory" INTERNET PUBLICATION, 'Online' 5 May 2002 (2002-05-05), XP002255408 Retrieved from the Internet: URL:luxik.cid.cz/{devik/qos/htb} 'retrieved on 2003-09-23! the whole document ----- -/- | 1, 14, 15, 18 |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

18 October 2004

Date of mailing of the international search report

04/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Lefebvre, L

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| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|--|---|-----------------------|
| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| L | <p>MARTIN DEVERA: "Issues regarding 2.4 kernels" INTERNET PUBLICATION, 'Online! 2002, XP002255409 Retrieved from the Internet: URL:luxik.cid.cz/{devik/}> 'retrieved on 2003-09-23! paragraph 'NEW.QDISC.FOR.LINUX! paragraph 'TBF IMPROVEMENTS! paragraph 'WRR.SCHEDULER!</p> | 1,14,15, 18 |
| X | <p>HUBERT, VAN MOOK ET ALL: "Linux Advanced Routing and Traffic control" INTERNET PUBLICATION, 'Online! 22 July 2002 (2002-07-22), XP002255410 Retrieved from the Internet: URL:www.tldp.org/HOWTO/adv-routing-HOWTO/> 'retrieved on 2003-09-23! paragraph '9.5.4.3.CBQ.PARAMETERS.THAT.DETERMINE.LIN K.SHARING! paragraph '9.5.5.HIERARCHICAL.TOKEN.BUCKET!</p> | 1,14,15, 18 |
| A | <p>SHREEDHAR, VARGHESE: "Efficient Fair Queuing using Deficit Round Robin" SIGCOMM 1995, 'Online! August 1995 (1995-08), pages 231-242, XP002255411 Retrieved from the Internet: URL:citeseer.nj.nec.com> 'retrieved on 2003-09-23! page 4, paragraphs STOCHASTIC,FAIR,QUEUEING paragraph '3.DEFICIT.ROUND.ROBIN!</p> | 1,14,15, 18 |
| A | <p>SAHA, MUKHERJEE, TRIPATHI: "Carry-over round robin: a simple cell scheduling mechanism for ATM networks" 1994 INTERNATIONAL IEEE\SLASH ACM TRANSACTIONS ON NETWORKING, vol. 6, no. 6, 1998, pages 779-796, XP002255412 Boston, MA, USA the whole document</p> | 1,14,15, 18 |